

# ALMANAC CLXVIII OPPOSITIONS BETWEEN MARS AND SATURN IN CE

The almanac CLXVIII contains a list of oppositions  
between Mars and Saturn  
from the 1st millennium CE to the 3rd millennium CE.

## 1ST MILLENNIUM CE

**This is a list of oppositions between Mars and Saturn in the 1st millennium CE.**

DATE	GMT	ARC	MARS	SATURN
JAN 29,	2   00:51 AM	180	24SA42	24GE42R
FEB 13,	4   07:09 PM	180	23CP03	23CA03R
FEB 27,	6   06:06 AM	180	20AQ16	20LE16R
MAR 11,	8   10:38 PM	180	16PI09	16VI09R
MAR 25,	10   12:52 PM	180	10AR48	10LI48R
APR 07,	12   02:53 PM	180	04TA27	04SC27R
APR 22,	14   03:43 PM	180	27TA31	27SC31R
MAY 07,	16   11:38 PM	180	20GE27	20SA27R
MAY 25,	18   07:09 PM	180	13CA45	13CP45R
JUN 12,	20   10:03 PM	180	07LE53	07AQ53R
JUL 02,	22   04:20 PM	180	03VI13	03PI13R
JUL 20,	24   07:02 PM	180	29VI55	29PI55R
AUG 05,	26   06:15 PM	180	27LI43	27AR43
FEB 06,	28   09:18 AM	180	05SC50	05TA50
MAY 08,	28   05:58 AM	180	15SC31R	15TA31
AUG 09,	28   10:46 AM	180	25SC27	25TA27
FEB 14,	30   10:57 AM	180	03SA50	03GE50
FEB 27,	32   00:15 AM	180	02CP11	02CA11R
MAR 11,	34   02:01 AM	180	29CP56	29CA56R
MAR 22,	36   11:45 PM	180	26AQ38	26LE38R
APR 04,	38   08:40 PM	180	22PI08	22VI08R
APR 17,	40   02:48 AM	180	16AR31	16LI31R
MAY 01,	42   05:54 AM	180	10TA04	10SC04R
MAY 15,	44   03:26 PM	180	03GE09	03SA09R
JUN 01,	46   02:35 PM	180	26GE15	26SA15R
JUN 19,	48   06:28 AM	180	19CA51	19CP51R

JUL 09, 50	09:57 AM	180	14LE24	14AQ24R
JUL 29, 52	09:55 AM	180	10VI15	10PI15R
AUG 19, 54	04:17 AM	180	07LI31	07AR31R
SEP 06, 56	07:19 AM	180	05SC57	05TA57R
SEP 21, 58	08:09 PM	180	04SA52	04GE52R
SEP 28, 60	10:41 AM	180	03CP00	03CA00
APR 05, 62	11:12 AM	180	10CP43	10CA43
APR 08, 64	03:58 PM	180	07AQ13	07LE13R
APR 18, 66	02:30 AM	180	03PI06	03VI06R
APR 28, 68	05:39 AM	180	28PI01	28VI01R
MAY 10, 70	02:09 PM	180	22AR02	22LI02R
MAY 23, 72	07:45 AM	180	15TA24	15SC24R
JUN 07, 74	04:44 PM	180	08GE29	08SA29R
JUN 23, 76	10:22 PM	180	01CA42	01CP42R
JUL 13, 78	01:51 AM	180	25CA33	25CP33R
AUG 01, 80	08:28 PM	180	20LE26	20AQ26R
AUG 23, 82	01:40 PM	180	16VI43	16PI43R
SEP 13, 84	05:08 AM	180	14LI27	14AR27R
OCT 03, 86	12:42 PM	180	13SC20	13TA20R
OCT 20, 88	07:58 AM	180	12SA37	12GE37R
NOV 03, 90	11:31 AM	180	11CP20	11CA20R
NOV 10, 92	09:24 PM	180	08AQ33	08LE33
MAY 22, 94	05:01 AM	180	15AQ50	15LE50
SEP 11, 94	04:39 AM	180	27AQ34R	27LE34
OCT 29, 94	01:07 PM	180	02PI31	02VI31
MAY 17, 96	06:27 AM	180	10PI07	10VI07
MAY 24, 98	03:05 PM	180	04AR20	04LI20R
JUN 03, 100	07:59 AM	180	27AR56	27LI56R
JUN 16, 102	06:54 AM	180	21TA06	21SC06R
JUN 30, 104	09:24 AM	180	14GE09	14SA09R

JUL 17, 106	04:59 PM	180	07CA30	07CP30R
AUG 05, 108	04:17 AM	180	01LE37	01AQ37R
AUG 26, 110	09:48 AM	180	26LE52	26AQ52R
SEP 16, 112	02:37 PM	180	23VI33	23PI33R
OCT 08, 114	04:01 PM	180	21LI37	21AR37R
OCT 28, 116	10:18 AM	180	20SC44	20TA44R
NOV 15, 118	10:57 PM	180	20SA07	20GE07R
NOV 30, 120	06:21 PM	180	18CP50	18CA50R
DEC 13, 122	04:01 PM	180	16AQ11	16LE11R
DEC 22, 124	03:04 AM	180	11PI49	11VI49
JUL 12, 126	03:42 AM	180	19PI19	19VI19
AUG 21, 126	00:19 AM	180	23PI08R	23VI08
DEC 25, 126	04:31 AM	180	05AR34	05LI34
JUN 23, 128	10:22 PM	180	11AR03	11LI03
JUN 30, 130	04:54 AM	180	03TA58	03SC58R
JUL 10, 132	08:48 AM	180	26TA48	26SC48R
JUL 24, 134	03:47 PM	180	19GE44	19SA44R
AUG 09, 136	04:58 PM	180	13CA09	13CP09R
AUG 29, 138	05:19 AM	180	07LE27	07AQ27R
SEP 18, 140	03:45 PM	180	03VI00	03PI00R
OCT 11, 142	02:07 AM	180	00LI00	00AR00R
NOV 01, 144	08:08 AM	180	28LI22	28AR22R
NOV 22, 146	05:08 AM	180	27SC39	27TA39R
DEC 09, 148	10:06 PM	180	27SA02	27GE02R
DEC 26, 150	06:38 AM	180	25CP41	25CA41R
JAN 08, 153	01:08 PM	180	22AQ58	22LE58R
JAN 21, 155	02:43 AM	180	18PI38	18VI38R
JAN 31, 157	06:02 AM	180	12AR52	12LI52R
FEB 09, 159	06:13 PM	180	05TA58	05SC58
AUG 03, 160	08:02 PM	180	10TA57	10SC57

NOV 18, 160	00:56 AM	180	20TA22R	20SC22
FEB 14, 161	10:34 PM	180	28TA09	28SC09
AUG 08, 162	04:50 PM	180	03GE10	03SA10R
AUG 19, 164	09:04 PM	180	25GE57	25SA57R
SEP 05, 166	02:57 AM	180	19CA26	19CP26R
SEP 23, 168	10:24 AM	180	13LE58	13AQ58R
OCT 14, 170	09:14 PM	180	09VI50	09PI50R
NOV 05, 172	06:19 AM	180	07LI08	07AR08R
NOV 27, 174	05:33 AM	180	05SC41	05TA41R
DEC 16, 176	03:57 PM	180	04SA56	04GE56R
JAN 03, 179	10:38 PM	180	04CP08	04CA08R
JAN 19, 181	01:58 AM	180	02AQ28	02LE28R
FEB 02, 183	01:17 PM	180	29AQ26	29LE26R
FEB 14, 185	11:50 PM	180	24PI55	24VI55R
FEB 27, 187	11:13 PM	180	19AR06	19LI06R
MAR 12, 189	00:04 AM	180	12TA19	12SC19R
MAR 25, 191	11:25 AM	180	05GE01	05SA01R
APR 07, 193	01:29 PM	180	27GE39	27SA39R
SEP 24, 194	04:08 PM	180	02CA44	02CP44
DEC 24, 194	01:59 PM	180	10CA29R	10CP29
APR 21, 195	11:18 PM	180	20CA42	20CP42
OCT 05, 196	04:43 PM	180	26CA01	26CP01
FEB 13, 197	10:07 AM	180	07LE35R	07AQ35
MAY 03, 197	09:54 PM	180	14LE27	14AQ27
OCT 23, 198	08:28 AM	180	20LE39	20AQ39R
NOV 11, 200	08:28 PM	180	16VI43	16PI43R
DEC 03, 202	07:54 AM	180	14LI13	14AR13R
DEC 23, 204	05:28 AM	180	12SC51	12TA51R
JAN 11, 207	12:23 PM	180	11SA59	11GE59R
JAN 27, 209	07:43 PM	180	10CP53	10CA53R

FEB 12, 211	07:57 AM	180	08AQ53	08LE53R
FEB 25, 213	01:25 PM	180	05PI32	05VI32R
MAR 11, 215	03:51 AM	180	00AR49	00LI49R
MAR 23, 217	07:53 PM	180	24AR55	24LI55R
APR 07, 219	02:27 AM	180	18TA13	18SC13R
APR 21, 221	10:17 AM	180	11GE07	11SA07R
MAY 08, 223	01:39 AM	180	04CA08	04CP08R
MAY 25, 225	01:26 AM	180	27CA43	27CP43R
JUN 12, 227	11:18 PM	180	22LE20	22AQ20R
JUN 30, 229	01:33 PM	180	18VI13	18PI13
DEC 26, 230	10:22 AM	180	25VI32	25PI32
MAR 04, 231	01:20 AM	180	01LI59R	01AR59
JUL 15, 231	10:04 PM	180	15LI14	15AR14
JAN 08, 233	01:59 PM	180	22LI43	22AR43
MAY 28, 233	05:08 AM	180	07SC15R	07TA15
JUL 12, 233	08:52 AM	180	11SC50	11TA50
JAN 24, 235	03:19 PM	180	21SC02	21TA02
FEB 08, 237	10:37 AM	180	19SA46	19GE46R
FEB 23, 239	09:04 AM	180	18CP08	18CA08R
MAR 08, 241	08:48 AM	180	15AQ34	15LE34R
MAR 21, 243	04:34 PM	180	11PI44	11VI44R
APR 02, 245	08:53 PM	180	06AR39	06LI39R
APR 16, 247	11:40 AM	180	00TA32	00SC32R
APR 30, 249	02:13 AM	180	23TA44	23SC44R
MAY 16, 251	01:48 AM	180	16GE42	16SA42R
JUN 01, 253	03:49 PM	180	09CA54	09CP54R
JUN 20, 255	08:06 PM	180	03LE50	03AQ50R
JUL 10, 257	05:24 AM	180	28LE54	28AQ54R
JUL 30, 259	09:34 PM	180	25VI22	25PI22R
AUG 18, 261	08:25 AM	180	23LI10	23AR10R

SEP 03, 263	07:55 AM	180	21SC47	21TA47
SEP 09, 265	02:54 AM	180	19SA57	19GE57
MAR 16, 267	08:33 AM	180	27SA56	27GE56
MAR 23, 269	11:29 AM	180	25CP22	25CA22R
APR 03, 271	09:38 AM	180	22AQ07	22LE07R
APR 14, 273	03:30 AM	180	17PI46	17VI46R
APR 26, 275	11:57 AM	180	12AR20	12LI20R
MAY 08, 277	07:23 PM	180	06TA03	06SC03R
MAY 23, 279	11:09 AM	180	29TA14	29SC14R
JUN 07, 281	06:54 PM	180	22GE18	22SA18R
JUN 25, 283	10:44 PM	180	15CA44	15CP44R
JUL 14, 285	09:11 PM	180	10LE01	10AQ01R
AUG 05, 287	03:38 AM	180	05VI32	05PI32R
AUG 25, 289	08:23 PM	180	02LI32	02AR32R
SEP 15, 291	04:13 PM	180	00SC51	00TA51R
OCT 03, 293	05:23 AM	180	29SC57	29TA57R
OCT 18, 295	00:26 AM	180	28SA55	28GE55R
OCT 25, 297	00:09 AM	180	26CP39	26CA39
MAY 03, 299	12:06 PM	180	04AQ05	04LE05
MAY 02, 301	08:37 AM	180	29AQ22	29LE22
MAY 10, 303	09:58 AM	180	24PI12	24VI12R
MAY 20, 305	00:46 AM	180	18AR14	18LI14R
JUN 01, 307	10:35 AM	180	11TA37	11SC37R
JUN 14, 309	04:57 PM	180	04GE39	04SA39R
JUN 30, 311	11:36 PM	180	27GE44	27SA44R
JUL 18, 313	08:04 AM	180	21CA18	21CP18R
AUG 07, 315	03:35 PM	180	15LE50	15AQ50R
AUG 28, 317	09:13 AM	180	11VI41	11PI41R
SEP 19, 319	02:12 PM	180	09LI01	09AR01R
OCT 10, 321	01:00 AM	180	07SC40	07TA40R

OCT 29, 323	01:33 PM	180	07SA02	07GE02R
NOV 14, 325	07:59 AM	180	06CP12	06CA12R
NOV 27, 327	05:25 PM	180	04AQ17	04LE17R
DEC 05, 329	01:10 PM	180	00PI40	00VI40
JUN 18, 331	09:21 AM	180	07PI48	07VI48
SEP 04, 331	11:04 AM	180	15PI38R	15VI38
DEC 03, 331	08:32 AM	180	24PI40	24VI40
JUN 08, 333	05:29 PM	180	00AR51	00LI51
JUN 15, 335	09:01 AM	180	24AR15	24LI15R
JUN 25, 337	03:28 AM	180	17TA18	17SC18R
JUL 08, 339	04:07 PM	180	10GE13	10SA13R
JUL 23, 341	04:59 PM	180	03CA20	03CP20R
AUG 11, 343	04:06 AM	180	27CA06	27CP06R
AUG 30, 345	07:08 PM	180	21LE56	21AQ56R
SEP 21, 347	10:32 PM	180	18VI10	18PI10R
OCT 13, 349	12:28 PM	180	15LI53	15AR53R
NOV 04, 351	05:57 AM	180	14SC49	14TA49R
NOV 23, 353	01:37 AM	180	14SA17	14GE17R
DEC 10, 355	11:01 AM	180	13CP26	13CA26R
DEC 24, 357	08:46 AM	180	11AQ29	11LE29R
JAN 05, 360	10:26 PM	180	07PI55	07VI55R
JAN 15, 362	02:36 AM	180	02AR42	02LI42R
JAN 21, 364	07:07 PM	180	25AR58	25LI58
JUL 17, 365	03:31 AM	180	00TA58	00SC58
DEC 08, 365	03:27 PM	180	14TA07R	14SC07
JAN 14, 366	08:34 AM	180	17TA19	17SC19
JUL 22, 367	08:03 PM	180	23TA22	23SC22R
AUG 02, 369	10:01 AM	180	16GE00	16SA00R
AUG 17, 371	02:35 PM	180	09CA04	09CP04R
SEP 03, 373	05:59 PM	180	02LE55	02AQ55R



SEP 24, 375	08:25 AM	180	27LE57	27AQ57R
OCT 15, 377	12:49 PM	180	24VI25	24PI25R
NOV 07, 379	01:52 AM	180	22LI21	22AR21R
NOV 27, 381	04:30 PM	180	21SC24	21TA24R
DEC 17, 383	09:03 AM	180	20SA51	20GE51R
JAN 02, 386	06:43 PM	180	19CP51	19CA51R
JAN 18, 388	01:53 AM	180	17AQ43	17LE43R
JAN 30, 390	07:11 PM	180	14PI04	14VI04R
FEB 12, 392	10:58 AM	180	08AR53	08LI53R
FEB 23, 394	10:54 AM	180	02TA28	02SC28R
MAR 06, 396	01:21 AM	180	25TA13	25SC13R
AUG 31, 397	07:58 AM	180	00GE26	00SA26
NOV 08, 397	11:29 PM	180	06GE22R	06SA22
MAR 17, 398	02:23 AM	180	17GE33	17SA33
SEP 02, 399	03:56 PM	180	22GE20	22SA20
JAN 12, 400	00:42 AM	180	03CA42R	03CP42
MAR 25, 400	00:55 AM	180	09CA50	09CP50
SEP 14, 401	04:10 AM	180	15CA16	15CP16R
OCT 01, 403	07:51 AM	180	09LE15	09AQ15R
OCT 20, 405	01:14 PM	180	04VI33	04PI33R
NOV 11, 407	11:50 AM	180	01LI21	01AR21R
DEC 02, 409	02:59 PM	180	29LI31	29AR31R
DEC 23, 411	01:31 PM	180	28SC36	28TA36R
JAN 10, 414	12:38 PM	180	27SA52	27GE52R
JAN 27, 416	09:13 AM	180	26CP35	26CA35R
FEB 10, 418	10:58 AM	180	24AQ08	24LE08R
FEB 24, 420	08:34 AM	180	20PI12	20VI12R
MAR 08, 422	05:52 PM	180	14AR52	14LI52R
MAR 21, 424	04:47 AM	180	08TA25	08SC25R
APR 04, 426	05:16 AM	180	01GE17	01SA17R

APR 18, 428	05:14 AM	180	23GE57	23SA57R
MAY 04, 430	08:26 AM	180	16CA54	16CP54R
NOV 02, 431	01:32 AM	180	23CA09	23CP09
DEC 06, 431	10:35 PM	180	26CA03R	26CP03
MAY 20, 432	08:14 AM	180	10LE35	10AQ35R
NOV 06, 433	04:25 PM	180	16LE24	16AQ24
JAN 30, 434	11:41 PM	180	23LE56R	23AQ56
JUN 06, 434	00:55 AM	180	05VI21	05PI21
NOV 23, 435	08:10 AM	180	11VI39	11PI39
MAR 26, 436	01:50 AM	180	23VI21R	23PI21
JUN 17, 436	09:21 AM	180	01LI09	01AR09
DEC 11, 437	10:27 PM	180	08LI29	08AR29
DEC 31, 439	09:09 PM	180	06SC37	06TA37R
JAN 18, 442	06:42 PM	180	05SA32	05GE32R
FEB 05, 444	01:26 AM	180	04CP31	04CA31R
FEB 19, 446	04:51 PM	180	02AQ49	02LE49R
MAR 05, 448	01:10 AM	180	29AQ59	29LE59R
MAR 18, 450	03:58 PM	180	25PI46	25VI46R
MAR 31, 452	04:08 AM	180	20AR15	20LI15R
APR 14, 454	03:58 AM	180	13TA46	13SC46R
APR 28, 456	03:59 AM	180	06GE45	06SA45R
MAY 14, 458	12:34 PM	180	29GE39	29SA39R
MAY 31, 460	09:22 AM	180	22CA58	22CP58R
JUN 19, 462	02:30 PM	180	17LE10	17AQ10R
JUL 08, 464	12:46 PM	180	12VI39	12PI39R
JUL 27, 466	07:45 PM	180	09LI31	09AR31R
AUG 11, 468	08:48 PM	180	07SC30	07TA30
FEB 13, 470	02:49 AM	180	15SC44	15TA44
MAY 15, 470	04:55 AM	180	25SC22R	25TA22
AUG 16, 470	06:17 AM	180	05SA18	05GE18

FEB 21, 472	05:27 PM	180	13SA43	13GE43
MAR 05, 474	01:04 AM	180	12CP00	12CA00R
MAR 16, 476	10:49 PM	180	09AQ42	09LE42R
MAR 29, 478	05:38 PM	180	06PI18	06VI18R
APR 10, 480	11:25 AM	180	01AR38	01LI38R
APR 23, 482	01:46 PM	180	25AR51	25LI51R
MAY 06, 484	12:40 PM	180	19TA13	19SC13R
MAY 21, 486	07:03 PM	180	12GE11	12SA11R
JUN 06, 488	04:25 PM	180	05CA11	05CP11R
JUN 25, 490	06:53 AM	180	28CA43	28CP43R
JUL 14, 492	09:15 AM	180	23LE14	23AQ14R
AUG 04, 494	10:03 AM	180	19VI07	19PI07R
AUG 24, 496	06:29 AM	180	16LI29	16AR29R
SEP 12, 498	09:49 AM	180	15SC03	15TA03R
SEP 26, 500	08:07 PM	180	14SA01	14GE01R
OCT 04, 502	03:05 AM	180	12CP09	12CA09
APR 10, 504	06:24 AM	180	19CP53	19CA53
APR 14, 506	04:25 PM	180	16AQ25	16LE25R
APR 23, 508	04:51 AM	180	12PI18	12VI18R
MAY 04, 510	08:52 AM	180	07AR10	07LI10R
MAY 15, 512	04:14 PM	180	01TA05	01SC05R
MAY 29, 514	07:54 AM	180	24TA21	24SC21R
JUN 12, 516	03:38 PM	180	17GE22	17SA22R
JUN 29, 518	08:29 PM	180	10CA32	10CP32R
JUL 17, 520	10:58 PM	180	04LE20	04AQ20R
AUG 07, 522	05:21 PM	180	29LE14	29AQ14R
AUG 28, 524	12:02 PM	180	25VI34	25PI34R
SEP 19, 526	05:34 AM	180	23LI24	23AR24R
OCT 08, 528	01:53 PM	180	22SC23	22TA23R
OCT 26, 530	07:48 AM	180	21SA43	21GE43R

NOV 08, 532	09:25 AM	180	20CP25	20CA25R
NOV 16, 534	04:14 PM	180	17AQ37	17LE37
MAY 26, 536	08:09 AM	180	24AQ52	24LE52
SEP 21, 536	01:18 AM	180	07PI12R	07VI12
NOV 01, 536	09:43 AM	180	11PI25	11VI25
MAY 23, 538	01:56 AM	180	19PI12	19VI12
MAY 29, 540	12:14 PM	180	13AR20	13LI20R
JUN 09, 542	02:59 AM	180	06TA49	06SC49R
JUN 20, 544	10:21 PM	180	29TA50	29SC50R
JUL 05, 546	09:25 PM	180	22GE45	22SA45R
JUL 22, 548	01:21 AM	180	15CA58	15CP58R
AUG 10, 550	08:19 AM	180	09LE56	09AQ56R
AUG 30, 552	09:52 AM	180	05VI05	05PI05R
SEP 21, 554	01:13 PM	180	01LI43	01AR43R
OCT 12, 556	03:09 PM	180	29LI49	29AR49R
NOV 02, 558	09:57 AM	180	28SC59	28TA59R
NOV 19, 560	11:08 PM	180	28SA26	28GE26R
DEC 05, 562	07:46 PM	180	27CP13	27CA13R
DEC 17, 564	06:30 PM	180	24AQ39	24LE39R
DEC 27, 566	03:57 AM	180	20PI20	20VI20
JUL 13, 568	00:40 AM	180	27PI35	27VI35
AUG 31, 568	09:04 PM	180	02AR22R	02LI22
DEC 28, 568	07:33 PM	180	14AR04	14LI04
JUN 29, 570	00:14 AM	180	19AR35	19LI35
JUL 04, 572	10:05 AM	180	12TA29	12SC29R
JUL 15, 574	01:21 PM	180	05GE15	05SA15R
JUL 28, 576	07:02 PM	180	28GE07	28SA07R
AUG 14, 578	05:43 PM	180	21CA26	21CP26R
SEP 02, 580	02:53 AM	180	15LE39	15AQ39R
SEP 23, 582	11:22 AM	180	11VI07	11PI07R

OCT 14, 584	09:39 PM	180	08LI06	08AR06R
NOV 06, 586	04:56 AM	180	06SC30	06TA30R
NOV 26, 588	03:08 AM	180	05SA50	05GE50R
DEC 14, 590	08:50 PM	180	05CP16	05CA16R
DEC 30, 592	06:31 AM	180	03AQ58	03LE58R
JAN 13, 595	02:45 PM	180	01PI20	01VI20R
JAN 25, 597	05:27 AM	180	27PI05	27VI05R
FEB 05, 599	07:08 AM	180	21AR19	21LI19R
FEB 13, 601	01:20 PM	180	14TA18	14SC18
AUG 08, 602	03:57 AM	180	19TA12	19SC12
NOV 26, 602	04:10 PM	180	29TA00R	29SC00
FEB 18, 603	11:37 PM	180	06GE20	06SA20
AUG 12, 604	07:07 AM	180	11GE21	11SA21R
AUG 24, 606	10:12 AM	180	04CA00	04CP00R
SEP 08, 608	11:29 AM	180	27CA20	27CP20R
SEP 27, 610	12:02 PM	180	21LE40	21AQ40R
OCT 17, 612	04:44 PM	180	17VI21	17PI21R
NOV 08, 614	10:47 PM	180	14LI31	14AR31R
NOV 29, 616	09:45 PM	180	13SC00	13TA00R
DEC 20, 618	09:39 AM	180	12SA16	12GE16R
JAN 06, 621	07:33 PM	180	11CP32	11CA32R
JAN 23, 623	03:10 AM	180	10AQ00	10LE00R
FEB 05, 625	06:34 PM	180	07PI08	07VI08R
FEB 19, 627	08:31 AM	180	02AR46	02LI46R
MAR 03, 629	10:15 AM	180	27AR02	27LI02R
MAR 16, 631	10:29 AM	180	20TA16	20SC16R
MAR 28, 633	05:56 PM	180	12GE56	12SA56R
OCT 08, 634	11:26 PM	180	19GE33	19SA33
OCT 21, 634	09:45 AM	180	20GE34R	20SA34
APR 11, 635	01:01 PM	180	05CA30	05CP30

SEP 26, 636	11:04 PM	180	10CA28	10CP28
JAN 01, 637	07:46 AM	180	18CA40R	18CP40
APR 24, 637	10:44 AM	180	28CA23	28CP23
OCT 09, 638	03:52 AM	180	03LE38	03AQ38
FEB 22, 639	05:55 PM	180	15LE41R	15AQ41
MAY 06, 639	05:49 AM	180	21LE54	21AQ54
OCT 25, 640	04:45 PM	180	28LE06	28AQ06R
NOV 15, 642	02:43 AM	180	24VI01	24PI01R
DEC 05, 644	03:08 PM	180	21LI26	21AR26R
DEC 26, 646	04:03 PM	180	20SC03	20TA03R
JAN 14, 649	03:20 AM	180	19SA15	19GE15R
JAN 31, 651	03:12 PM	180	18CP15	18CA15R
FEB 15, 653	08:07 AM	180	16AQ23	16LE23R
MAR 01, 655	06:09 PM	180	13PI13	13VI13R
MAR 14, 657	12:18 PM	180	08AR38	08LI38R
MAR 28, 659	05:40 AM	180	02TA48	02SC48R
APR 10, 661	10:25 AM	180	26TA03	26SC03R
APR 25, 663	01:25 PM	180	18GE51	18SA51R
MAY 10, 665	09:57 PM	180	11CA43	11CP43R
MAY 28, 667	12:44 PM	180	05LE07	05AQ07R
JUN 14, 669	10:34 PM	180	29LE27	29AQ27R
DEC 22, 670	06:59 PM	180	07VI14	07PI14
JAN 06, 671	11:04 PM	180	08VI34R	08PI34
JUL 02, 671	10:23 PM	180	25VI02	25PI02
DEC 25, 672	04:57 AM	180	02LI01	02AR01
MAR 14, 673	03:51 PM	180	09LI36R	09AR36
JUL 16, 673	12:35 PM	180	21LI46	21AR46
JAN 09, 675	05:19 PM	180	29LI08	29AR08
JUN 16, 675	04:47 PM	180	15SC32R	15TA32
JUL 04, 675	08:44 PM	180	17SC21	17TA21

JAN 25, 677	11:19 AM	180	27SC26	27TA26
FEB 10, 679	06:17 PM	180	26SA12	26GE12R
FEB 25, 681	02:21 AM	180	24CP43	24CA43R
MAR 11, 683	10:22 AM	180	22AQ21	22LE21R
MAR 24, 685	01:00 AM	180	18PI46	18VI46R
APR 06, 687	11:20 AM	180	13AR55	13LI55R
APR 19, 689	06:17 AM	180	07TA57	07SC57R
MAY 03, 691	09:45 PM	180	01GE12	01SA12R
MAY 18, 693	07:34 PM	180	24GE09	24SA09R
JUN 05, 695	06:01 AM	180	17CA17	17CP17R
JUN 23, 697	04:15 AM	180	11LE02	11AQ02R
JUL 13, 699	05:10 AM	180	05VI53	05PI53R
AUG 01, 701	01:02 PM	180	02LI06	02AR06R
AUG 20, 703	05:28 PM	180	29LI42	29AR42R
SEP 04, 705	10:18 AM	180	28SC10	28TA10
MAR 23, 707	11:32 PM	180	07SA46	07GE46
MAY 04, 707	05:39 PM	180	12SA11R	12GE11
SEP 10, 707	02:22 AM	180	26SA14	26GE14
MAR 16, 709	10:47 PM	180	04CP20	04CA20
MAR 26, 711	00:36 AM	180	01AQ58	01LE58R
APR 05, 713	09:46 AM	180	28AQ56	28LE56R
APR 17, 715	11:57 AM	180	24PI51	24VI51R
APR 29, 717	02:40 AM	180	19AR37	19LI37R
MAY 12, 719	01:18 PM	180	13TA26	13SC26R
MAY 26, 721	04:41 AM	180	06GE38	06SA38R
JUN 11, 723	09:14 AM	180	29GE39	29SA39R
JUN 28, 725	07:21 AM	180	22CA56	22CP56R
JUL 17, 727	09:15 PM	180	16LE59	16AQ59R
AUG 06, 729	04:32 PM	180	12VI11	12PI11R
AUG 27, 731	10:29 PM	180	08LI48	08AR48R

SEP 16, 733	11:14 AM	180	06SC49	06TA49R
OCT 04, 735	08:28 PM	180	05SA44	05GE44R
OCT 18, 737	10:43 AM	180	04CP39	04CA39R
OCT 25, 739	06:28 PM	180	02AQ25	02LE25
MAY 02, 741	02:47 PM	180	09AQ53	09LE53
MAY 04, 743	05:47 AM	180	05PI33	05VI33R
MAY 11, 745	10:09 PM	180	00AR45	00LI45R
MAY 22, 747	11:06 PM	180	25AR03	25LI03R
JUN 03, 749	02:40 PM	180	18TA37	18SC37R
JUN 17, 751	10:41 PM	180	11GE44	11SA44R
JUL 03, 753	04:24 AM	180	04CA48	04CP48R
JUL 21, 755	09:35 AM	180	28CA18	28CP18R
AUG 09, 757	10:28 AM	180	22LE38	22AQ38R
AUG 30, 759	07:46 PM	180	18VI13	18PI13R
SEP 20, 761	05:37 PM	180	15LI17	15AR17R
OCT 12, 763	00:16 AM	180	13SC42	13TA42R
OCT 30, 765	11:35 AM	180	12SA58	12GE58R
NOV 16, 767	06:03 AM	180	12CP09	12CA09R
NOV 28, 769	02:53 PM	180	10AQ20	10LE20R
DEC 07, 771	04:46 AM	180	06PI53	06VI53
JUN 16, 773	04:20 PM	180	13PI56	13VI56
SEP 18, 773	05:41 AM	180	23PI27R	23VI27
DEC 01, 773	12:56 PM	180	00AR56	00LI56
JUN 11, 775	00:26 AM	180	07AR30	07LI30
JUN 17, 777	06:45 AM	180	01TA09	01SC09R
JUN 28, 779	07:20 AM	180	24TA22	24SC22R
JUL 10, 781	09:10 PM	180	17GE20	17SA20R
JUL 26, 783	08:21 PM	180	10CA25	10CP25R
AUG 13, 785	02:48 AM	180	04LE03	04AQ03R
SEP 02, 787	09:21 AM	180	28LE38	28AQ38R



SEP 23, 789	01:30 AM	180	24VI30	24PI30R
OCT 15, 791	05:30 AM	180	21LI50	21AR50R
NOV 04, 793	05:11 PM	180	20SC27	20TA27R
NOV 24, 795	10:47 AM	180	19SA45	19GE45R
DEC 10, 797	08:24 PM	180	18CP55	18CA55R
DEC 25, 799	08:06 PM	180	17AQ05	17LE05R
JAN 06, 802	11:42 AM	180	13PI45	13VI45R
JAN 16, 804	01:59 PM	180	08AR49	08LI49R
JAN 21, 806	03:49 PM	180	02TA18	02SC18
JUL 18, 807	07:57 PM	180	07TA28	07SC28
JUL 24, 809	06:52 AM	180	00GE07	00SA07R
AUG 05, 811	02:33 AM	180	22GE51	22SA51R
AUG 19, 813	08:17 AM	180	15CA57	15CP57R
SEP 06, 815	09:07 AM	180	09LE43	09AQ43R
SEP 25, 817	04:55 PM	180	04VI33	04PI33R
OCT 17, 819	01:11 PM	180	00LI44	00AR44R
NOV 07, 821	07:54 PM	180	28LI22	28AR22R
NOV 29, 823	07:50 AM	180	27SC11	27TA11R
DEC 18, 825	00:56 AM	180	26SA33	26GE33R
JAN 04, 828	01:26 PM	180	25CP37	25CA37R
JAN 19, 830	00:50 AM	180	23AQ38	23LE38R
FEB 01, 832	11:04 PM	180	20PI14	20VI14R
FEB 13, 834	07:25 PM	180	15AR21	15LI21R
FEB 25, 836	09:58 PM	180	09TA12	09SC12R
MAR 08, 838	10:22 AM	180	02GE07	02SA07R
SEP 01, 839	01:55 AM	180	07GE14	07SA14
NOV 19, 839	10:57 PM	180	14GE06R	14SA06
MAR 17, 840	11:49 PM	180	24GE30	24SA30
SEP 03, 841	11:12 PM	180	29GE19	29SA19
JAN 22, 842	01:04 AM	180	11CA28R	11CP28

MAR 25, 842	05:34 AM	180	16CA39	16CP39
SEP 16, 843	05:50 PM	180	22CA15	22CP15R
OCT 02, 845	07:27 PM	180	16LE06	16AQ06R
OCT 22, 847	04:53 PM	180	11VI08	11PI08R
NOV 12, 849	05:03 AM	180	07LI33	07AR33R
DEC 04, 851	00:13 AM	180	05SC20	05TA20R
DEC 23, 853	07:35 PM	180	04SA09	04GE09R
JAN 11, 856	07:25 PM	180	03CP19	03CA19R
JAN 27, 858	06:49 PM	180	02AQ04	02LE04R
FEB 12, 860	01:14 AM	180	29AQ46	29LE46R
FEB 25, 862	04:22 AM	180	26PI06	26VI06R
MAR 09, 864	07:19 PM	180	21AR04	21LI04R
MAR 23, 866	11:55 AM	180	14TA54	14SC54R
APR 05, 868	04:36 PM	180	08GE00	08SA00R
APR 20, 870	05:44 PM	180	00CA48	00CP48R
MAY 05, 872	07:00 PM	180	23CA48	23CP48R
OCT 29, 873	05:12 PM	180	29CA40	29CP40
DEC 19, 873	06:09 AM	180	03LE53R	03AQ53
MAY 22, 874	01:08 PM	180	17LE26	17AQ26
NOV 07, 875	01:44 PM	180	23LE06	23AQ06
FEB 10, 876	09:48 AM	180	01VI29R	01PI29
JUN 06, 876	03:12 PM	180	12VI01	12PI01
NOV 23, 877	01:28 PM	180	18VI11	18PI11
APR 06, 878	05:16 PM	180	00LI50R	00AR50
JUN 17, 878	01:56 AM	180	07LI25	07AR25
DEC 13, 879	04:53 AM	180	14LI46	14AR46
JAN 01, 882	05:18 AM	180	12SC39	12TA39R
JAN 20, 884	06:18 AM	180	11SA23	11GE23R
FEB 05, 886	05:44 PM	180	10CP19	10CA19R
FEB 21, 888	02:44 PM	180	08AQ42	08LE42R

MAR 07, 890	04:35 AM	180	06PI02	06VI02R
MAR 20, 892	01:34 AM	180	02AR05	02LI05R
APR 02, 894	08:50 PM	180	26AR53	26LI53R
APR 16, 896	03:25 AM	180	20TA41	20SC41R
MAY 01, 898	08:15 AM	180	13GE51	13SA51R
MAY 16, 900	07:13 PM	180	06CA51	06CP51R
JUN 03, 902	04:01 PM	180	00LE12	00AQ12R
JUN 21, 904	05:46 PM	180	24LE19	24AQ19R
JUL 11, 906	07:43 AM	180	19VI34	19PI34R
JUL 29, 908	00:40 AM	180	16LI05	16AR05R
AUG 13, 910	06:08 AM	180	13SC38	13TA38
FEB 11, 912	11:37 PM	180	21SC29	21TA29
MAY 28, 912	09:03 AM	180	02SA43R	02GE43
AUG 13, 912	10:59 PM	180	10SA54	10GE54
FEB 21, 914	08:58 AM	180	19SA25	19GE25
MAR 05, 916	06:31 AM	180	17CP40	17CA40R
MAR 18, 918	12:27 PM	180	15AQ25	15LE25R
MAR 30, 920	02:17 PM	180	12PI10	12VI10R
APR 12, 922	02:46 PM	180	07AR47	07LI47R
APR 25, 924	00:42 AM	180	02TA18	02SC18R
MAY 09, 926	07:47 AM	180	25TA58	25SC58R
MAY 23, 928	08:45 PM	180	19GE10	19SA10R
JUN 09, 930	10:36 PM	180	12CA20	12CP20R
JUN 27, 932	03:50 PM	180	05LE57	05AQ57R
JUL 17, 934	06:08 PM	180	00VI27	00PI27R
AUG 06, 936	02:04 PM	180	26VI11	26PI11R
AUG 27, 938	02:26 AM	180	23LI17	23AR17R
SEP 13, 940	08:47 PM	180	21SC33	21TA33R
SEP 28, 942	08:54 PM	180	20SA16	20GE16R
OCT 04, 944	02:35 AM	180	18CP13	18CA13

APR 11, 946	04:00 AM	180	25CP58	25CA58
APR 15, 948	05:18 PM	180	22AQ39	22LE39R
APR 25, 950	03:43 PM	180	18PI43	18VI43R
MAY 06, 952	03:32 AM	180	13AR51	13LI51R
MAY 18, 954	07:09 PM	180	08TA03	08SC03R
MAY 31, 956	06:49 PM	180	01GE35	01SA35R
JUN 16, 958	08:57 AM	180	24GE46	24SA46R
JUL 02, 960	06:23 PM	180	18CA04	18CP04R
JUL 21, 962	11:40 PM	180	11LE57	11AQ57R
AUG 10, 964	05:31 PM	180	06VI49	06PI49R
SEP 01, 966	06:41 AM	180	02LI59	02AR59R
SEP 21, 968	02:32 PM	180	00SC31	00TA31R
OCT 11, 970	01:06 PM	180	29SC09	29TA09R
OCT 27, 972	10:43 PM	180	28SA13	28GE13R
NOV 10, 974	03:12 PM	180	26CP45	26CA45R
NOV 17, 976	03:52 AM	180	23AQ50	23LE50
MAY 26, 978	01:34 PM	180	00PI57	00VI57
MAY 24, 980	02:56 AM	180	25PI33	25VI33
JUN 01, 982	01:13 AM	180	19AR57	19LI57R
JUN 11, 984	01:59 AM	180	13TA42	13SC42R
JUN 24, 986	06:43 AM	180	07GE00	07SA00R
JUL 08, 988	01:30 PM	180	00CA08	00CP08R
JUL 25, 990	11:51 PM	180	23CA32	23CP32R
AUG 13, 992	11:43 AM	180	17LE38	17AQ38R
SEP 03, 994	02:46 PM	180	12VI48	12PI48R
SEP 24, 996	02:55 PM	180	09LI19	09AR19R
OCT 16, 998	10:39 AM	180	07SC13	07TA13R
NOV 04, 1000	10:46 PM	180	06SA09	06GE09R

# 2ND MILLENNIUM CE

**This is a list of oppositions between Mars and Saturn in the 2nd millennium CE.**

DATE	GMT	ARC	MARS	SATURN
NOV 23, 1002	06:12 AM	180	05CP24	05CA24R
DEC 07, 1004	09:50 PM	180	04AQ05	04LE05R
DEC 20, 1006	03:55 PM	180	01PI29	01VI29R
DEC 28, 1008	06:29 PM	180	27PI13	27VI13
JUL 11, 1010	06:14 PM	180	04AR11	04LI11
SEP 15, 1010	00:56 AM	180	10AR32R	10LI32
DEC 30, 1010	07:52 AM	180	21AR01	21LI01
JUN 30, 1012	09:29 PM	180	26AR44	26LI44
JUL 07, 1014	11:36 PM	180	19TA54	19SC54R
JUL 18, 1016	01:40 PM	180	12GE55	12SA55R
AUG 02, 1018	03:45 AM	180	06CA00	06CP00R
AUG 18, 1020	09:46 AM	180	29CA30	29CP30R
SEP 07, 1022	00:18 AM	180	23LE50	23AQ50R
SEP 27, 1024	09:50 AM	180	19VI20	19PI20R
OCT 19, 1026	03:26 PM	180	16LI10	16AR10R
NOV 09, 1028	02:01 PM	180	14SC18	14TA18R
NOV 30, 1030	03:24 AM	180	13SA20	13GE20R
DEC 17, 1032	02:01 PM	180	12CP32	12CA32R
JAN 02, 1035	06:05 PM	180	11AQ05	11LE05R
JAN 15, 1037	09:40 PM	180	08PI22	08VI22R
JAN 28, 1039	09:13 AM	180	04AR07	04LI07R

FEB 07, 1041	08:06 AM	180	28AR27	28LI27R
FEB 16, 1043	09:30 AM	180	21TA36	21SC36
AUG 09, 1044	11:21 PM	180	26TA36	26SC36
DEC 05, 1044	06:53 PM	180	07GE07R	07SA07
FEB 20, 1045	01:26 AM	180	13GE46	13SA46
AUG 16, 1046	01:38 AM	180	19GE01	19SA01R
AUG 27, 1048	04:06 PM	180	11CA54	11CP54R
SEP 13, 1050	02:35 AM	180	05LE25	05AQ25R
OCT 01, 1052	10:35 AM	180	29LE54	29AQ54R
OCT 22, 1054	06:19 PM	180	25VI39	25PI39R
NOV 12, 1056	10:37 PM	180	22LI46	22AR46R
DEC 04, 1058	04:56 PM	180	21SC07	21TA07R
DEC 23, 1060	11:10 PM	180	20SA13	20GE13R
JAN 11, 1063	03:43 AM	180	19CP19	19CA19R
JAN 26, 1065	07:27 AM	180	17AQ41	17LE41R
FEB 09, 1067	09:00 PM	180	14PI46	14VI46R
FEB 22, 1069	10:32 AM	180	10AR25	10LI25R
MAR 07, 1071	02:09 PM	180	04TA47	04SC47R
MAR 19, 1073	07:02 PM	180	28TA12	28SC12R
APR 02, 1075	08:58 AM	180	21GE04	21SA04R
OCT 06, 1076	03:29 PM	180	27GE18	27SA18
NOV 02, 1076	06:03 PM	180	29GE33R	29SA33
APR 15, 1077	11:09 AM	180	13CA50	13CP50
OCT 01, 1078	05:16 PM	180	18CA53	18CP53
JAN 08, 1079	06:27 PM	180	27CA23R	27CP23
APR 29, 1079	04:01 PM	180	06LE57	06AQ57
OCT 13, 1080	02:48 PM	180	12LE18	12AQ18
FEB 28, 1081	08:24 PM	180	24LE33R	24AQ33
MAY 10, 1081	04:00 PM	180	00VI38	00PI38
OCT 31, 1082	01:49 PM	180	06VI57	06PI57R

NOV 20, 1084	02:50 AM	180	02LI56	02AR56R
DEC 11, 1086	10:38 AM	180	00SC15	00TA15R
DEC 31, 1088	02:48 AM	180	28SC39	28TA39R
JAN 19, 1091	05:04 AM	180	27SA35	27GE35R
FEB 04, 1093	09:28 AM	180	26CP21	26CA21R
FEB 19, 1095	08:24 PM	180	24AQ19	24LE19R
MAR 05, 1097	02:31 AM	180	21PI02	21VI02R
MAR 18, 1099	07:09 PM	180	16AR25	16LI25R
MAR 31, 1101	01:22 PM	180	10TA38	10SC38R
APR 14, 1103	10:26 PM	180	04GE02	04SA02R
APR 29, 1105	08:44 AM	180	27GE02	27SA02R
MAY 16, 1107	01:39 AM	180	20CA06	20CP06R
JUN 02, 1109	01:12 AM	180	13LE43	13AQ43R
JUN 20, 1111	07:41 PM	180	08VI16	08PI16R
DEC 26, 1112	01:17 PM	180	16VI01	16PI01
JAN 13, 1113	03:35 PM	180	17VI37R	17PI37
JUL 08, 1113	00:23 AM	180	04LI00	04AR00
DEC 31, 1114	04:58 AM	180	11LI00	11AR00
MAR 21, 1115	02:49 PM	180	18LI41R	18AR41
JUL 22, 1115	09:56 AM	180	00SC46	00TA46
JAN 14, 1117	03:42 PM	180	08SC07	08TA07
JAN 31, 1119	04:25 AM	180	06SA17	06GE17
FEB 15, 1121	05:27 AM	180	04CP54	04CA54R
MAR 02, 1123	08:14 AM	180	03AQ15	03LE15R
MAR 15, 1125	12:50 PM	180	00PI45	00VI45R
MAR 29, 1127	01:39 AM	180	27PI05	27VI05R
APR 10, 1129	11:42 AM	180	22AR13	22LI13R
APR 24, 1131	09:18 AM	180	16TA19	16SC19R
MAY 08, 1133	06:33 AM	180	09GE44	09SA44R
MAY 24, 1135	12:08 PM	180	02CA52	02CP52R

JUN 10, 1137	07:14 AM	180	26CA12	26CP12R
JUN 29, 1139	02:32 PM	180	20LE12	20AQ12R
JUL 18, 1141	11:34 PM	180	15VI16	15PI16R
AUG 08, 1143	11:27 AM	180	11LI38	11AR38R
AUG 26, 1145	12:49 PM	180	09SC15	09TA15R
SEP 10, 1147	07:51 PM	180	07SA35	07GE35
MAR 28, 1149	06:21 PM	180	17SA01	17GE01
MAY 12, 1149	05:14 AM	180	21SA42R	21GE42
SEP 14, 1149	06:08 PM	180	05CP24	05CA24
MAR 22, 1151	07:04 PM	180	13CP25	13CA25
MAR 30, 1153	03:15 PM	180	10AQ51	10LE51R
APR 10, 1155	07:28 PM	180	07PI38	07VI38R
APR 21, 1157	05:55 PM	180	03AR22	03LI22R
MAY 04, 1159	06:39 AM	180	28AR03	28LI03R
MAY 16, 1161	06:17 PM	180	21TA53	21SC53R
MAY 31, 1163	02:20 PM	180	15GE11	15SA11R
JUN 16, 1165	01:58 AM	180	08CA21	08CP21R
JUL 04, 1167	08:16 AM	180	01LE50	01AQ50R
JUL 23, 1169	07:13 AM	180	26LE07	26AQ07R
AUG 13, 1171	11:03 AM	180	21VI34	21PI34R
SEP 02, 1173	09:29 PM	180	18LI23	18AR23R
SEP 23, 1175	08:48 AM	180	16SC28	16TA28R
OCT 10, 1177	12:19 PM	180	15SA20	15GE20R
OCT 24, 1179	06:41 PM	180	14CP05	14CA05R
OCT 30, 1181	02:47 PM	180	11AQ39	11LE39
MAY 08, 1183	04:28 AM	180	19AQ01	19LE01
MAY 09, 1185	00:11 AM	180	14PI34	14VI34R
MAY 17, 1187	03:36 PM	180	09AR38	09LI38R
MAY 27, 1189	04:06 PM	180	03TA54	03SC54R
JUN 09, 1191	10:27 AM	180	27TA31	27SC31R



JUN 23, 1193	00:32 AM	180	20GE45	20SA45R
JUL 09, 1195	01:54 PM	180	13CA59	13CP59R
JUL 27, 1197	04:02 AM	180	07LE41	07AQ41R
AUG 16, 1199	02:49 PM	180	02VI17	02PI17R
SEP 06, 1201	08:27 AM	180	28VI07	28PI07R
SEP 28, 1203	09:50 AM	180	25LI22	25AR22R
OCT 18, 1205	01:13 PM	180	23SC50	23TA50R
NOV 06, 1207	04:55 PM	180	22SA58	22GE58R
NOV 22, 1209	03:00 AM	180	21CP57	21CA57R
DEC 05, 1211	03:40 AM	180	19AQ55	19LE55R
DEC 12, 1213	07:59 AM	180	16PI15	16VI15
JUN 21, 1215	09:27 PM	180	23PI05	23VI05
SEP 27, 1215	04:33 PM	180	03AR00R	03LI00
DEC 06, 1215	03:17 PM	180	09AR59	09LI59
JUN 15, 1217	06:30 PM	180	16AR31	16LI31
JUN 23, 1219	00:37 AM	180	10TA05	10SC05R
JUL 03, 1221	03:12 AM	180	03GE16	03SA16R
JUL 16, 1223	09:59 PM	180	26GE18	26SA18R
AUG 01, 1225	03:35 AM	180	19CA32	19CP32R
AUG 19, 1227	05:19 PM	180	13LE20	13AQ20R
SEP 08, 1229	08:29 AM	180	08VI08	08PI08R
SEP 30, 1231	08:24 AM	180	04LI15	04AR15R
OCT 21, 1233	03:51 PM	180	01SC46	01TA46R
NOV 12, 1235	02:04 AM	180	00SA28	00GE28R
NOV 30, 1237	03:15 PM	180	29SA44	29GE44R
DEC 17, 1239	07:16 PM	180	28CP46	28CA46R
DEC 31, 1241	01:01 PM	180	26AQ46	26LE46R
JAN 12, 1244	11:33 PM	180	23PI17	23VI17R
JAN 21, 1246	10:19 PM	180	18AR11	18LI11R
AUG 20, 1247	00:05 AM	180	26AR13	26LI13

AUG 30, 1247	11:48 AM	180	27AR11	27LI11
JAN 27, 1248	09:26 PM	180	11TA33	11SC33
JUL 23, 1249	08:52 PM	180	16TA42	16SC42
JUL 30, 1251	01:19 PM	180	09GE21	09SA21R
AUG 10, 1253	03:22 PM	180	02CA11	02CP11R
AUG 26, 1255	04:28 AM	180	25CA24	25CP24R
SEP 12, 1257	02:25 PM	180	19LE23	19AQ23R
OCT 03, 1259	08:23 AM	180	14VI29	14PI29R
OCT 24, 1261	12:51 PM	180	10LI56	10AR56R
NOV 15, 1263	10:24 PM	180	08SC46	08TA46R
DEC 06, 1265	06:31 AM	180	07SA37	07GE37R
DEC 25, 1267	04:26 PM	180	06CP52	06CA52R
JAN 10, 1270	09:24 PM	180	05AQ46	05LE46R
JAN 26, 1272	01:54 AM	180	03PI34	03VI34R
FEB 07, 1274	05:33 PM	180	29PI56	29VI56R
FEB 20, 1276	08:22 AM	180	24AR48	24LI48R
MAR 03, 1278	06:57 AM	180	18TA28	18SC28R
MAR 13, 1280	05:32 PM	180	11GE17	11SA17R
SEP 06, 1281	00:51 AM	180	16GE24	16SA24
NOV 25, 1281	08:35 PM	180	23GE21R	23SA21
MAR 24, 1282	09:36 AM	180	03CA41	03CP41
SEP 10, 1283	08:23 AM	180	08CA33	08CP33
JAN 28, 1284	03:50 AM	180	20CA41R	20CP41
MAR 31, 1284	01:30 AM	180	25CA56	25CP56
SEP 22, 1285	09:27 AM	180	01LE35	01AQ35R
OCT 09, 1287	06:22 PM	180	25LE35	25AQ35R
OCT 29, 1289	00:18 AM	180	20VI50	20PI50R
NOV 19, 1291	07:02 PM	180	17LI28	17AR28R
DEC 10, 1293	04:06 PM	180	15SC25	15TA25R
DEC 31, 1295	09:02 AM	180	14SA18	14GE18R

JAN 18, 1298	04:12 AM	180	13CP25	13CA25R
FEB 03, 1300	10:21 PM	180	12AQ04	12LE04R
FEB 17, 1302	11:52 PM	180	09PI38	09VI38R
MAR 02, 1304	11:28 PM	180	05AR48	05LI48R
MAR 16, 1306	11:50 AM	180	00TA37	00SC37R
MAR 29, 1308	03:02 AM	180	24TA20	24SC20R
APR 12, 1310	08:51 AM	180	17GE23	17SA23R
APR 26, 1312	02:00 PM	180	10CA13	10CP13R
MAY 12, 1314	09:14 PM	180	03LE19	03AQ19R
NOV 06, 1315	10:54 AM	180	09LE16	09AQ16
DEC 24, 1315	09:31 AM	180	13LE18R	13AQ18
MAY 28, 1316	10:53 PM	180	27LE06	27AQ06
NOV 14, 1317	09:07 AM	180	02VI52	02PI52
FEB 14, 1318	01:49 PM	180	11VI03R	11PI03
JUN 14, 1318	11:04 AM	180	21VI54	21PI54
DEC 01, 1319	04:25 PM	180	28VI12	28PI12
APR 10, 1320	12:50 PM	180	10LI36R	10AR36
JUN 24, 1320	02:58 PM	180	17LI36	17AR36
DEC 20, 1321	11:53 AM	180	25LI01	25AR01
JAN 09, 1324	10:22 AM	180	23SC03	23TA03R
JAN 27, 1326	04:52 AM	180	21SA47	21GE47R
FEB 13, 1328	08:41 AM	180	20CP37	20CA37R
FEB 27, 1330	10:54 PM	180	18AQ51	18LE51R
MAR 13, 1332	07:19 AM	180	16PI01	16VI01R
MAR 26, 1334	11:12 PM	180	11AR51	11LI51R
APR 08, 1336	01:47 PM	180	06TA26	06SC26R
APR 22, 1338	04:25 PM	180	00GE03	00SA03R
MAY 06, 1340	07:26 PM	180	23GE07	23SA07R
MAY 23, 1342	07:05 AM	180	16CA06	16CP06R
JUN 09, 1344	06:08 AM	180	09LE27	09AQ27R

JUN 28, 1346	11:07 AM	180	03VI39	03PI39R
JUL 17, 1348	05:57 AM	180	29VI03	29PI03R
AUG 05, 1350	04:02 AM	180	25LI46	25AR46R
AUG 19, 1352	10:52 AM	180	23SC29	23TA29
FEB 18, 1354	04:05 PM	180	01SA25	01GE25
JUN 04, 1354	08:55 AM	180	12SA37R	12GE37
AUG 20, 1354	07:54 PM	180	20SA49	20GE49
FEB 28, 1356	04:08 PM	180	29SA22	29GE22
MAR 12, 1358	08:56 AM	180	27CP36	27CA36R
MAR 24, 1360	10:51 AM	180	25AQ16	25LE16R
APR 06, 1362	09:41 AM	180	21PI57	21VI57R
APR 18, 1364	08:08 AM	180	17AR25	17LI25R
MAY 01, 1366	03:37 PM	180	11TA47	11SC47R
MAY 14, 1368	08:48 PM	180	05GE20	05SA20R
MAY 30, 1370	09:59 AM	180	28GE28	28SA28R
JUN 15, 1372	01:50 PM	180	21CA39	21CP39R
JUL 04, 1374	09:41 AM	180	15LE19	15AQ19R
JUL 23, 1376	03:52 PM	180	09VI56	09PI56R
AUG 13, 1378	05:00 PM	180	05LI51	05AR51R
SEP 02, 1380	09:43 AM	180	03SC10	03TA10R
SEP 21, 1382	05:10 AM	180	01SA35	01GE35R
OCT 05, 1384	01:53 AM	180	00CP21	00CA21R
OCT 11, 1386	00:58 AM	180	28CP13	28CA13
APR 17, 1388	06:22 AM	180	05AQ56	05LE56
APR 22, 1390	03:18 PM	180	02PI32	02VI32R
MAY 01, 1392	10:41 AM	180	28PI29	28VI29R
MAY 12, 1394	07:09 PM	180	23AR26	23LI26R
MAY 24, 1396	06:52 AM	180	17TA27	17SC27R
JUN 07, 1398	02:45 AM	180	10GE49	10SA49R
JUN 21, 1400	02:47 PM	180	03CA54	03CP54R

JUL 08, 1402	11:29 PM	180	27CA08	27CP08R
JUL 27, 1404	04:22 AM	180	20LE58	20AQ58R
AUG 16, 1406	10:19 PM	180	15VI51	15PI51R
SEP 06, 1408	01:29 PM	180	12LI05	12AR05R
SEP 27, 1410	11:41 PM	180	09SC45	09TA45R
OCT 16, 1412	10:28 PM	180	08SA30	08GE30R
NOV 03, 1414	06:43 AM	180	07CP37	07CA37R
NOV 15, 1416	09:22 PM	180	06AQ10	06LE10R
NOV 23, 1418	06:47 AM	180	03PI14	03VI14
MAY 31, 1420	07:17 AM	180	10PI19	10VI19
MAY 30, 1422	07:43 AM	180	04AR56	04LI56
JUN 06, 1424	07:36 AM	180	29AR15	29LI15R
JUN 17, 1426	06:59 AM	180	22TA54	22SC54R
JUN 29, 1428	10:15 AM	180	16GE06	16SA06R
JUL 14, 1430	04:34 PM	180	09CA11	09CP11R
JUL 31, 1432	02:52 AM	180	02LE33	02AQ33R
AUG 19, 1434	02:58 PM	180	26LE38	26AQ38R
SEP 08, 1436	07:37 PM	180	21VI51	21PI51R
SEP 30, 1438	10:40 PM	180	18LI29	18AR29R
OCT 21, 1440	09:10 PM	180	16SC31	16TA31R
NOV 11, 1442	10:00 AM	180	15SA33	15GE33R
NOV 28, 1444	04:05 PM	180	14CP50	14CA50R
DEC 14, 1446	06:23 AM	180	13AQ31	13LE31R
DEC 25, 1448	11:31 PM	180	10PI54	10VI54R
JAN 04, 1451	00:05 AM	180	06AR35	06LI35
JUL 15, 1452	05:08 PM	180	13AR24	13LI24
SEP 23, 1452	03:21 AM	180	20AR09R	20LI09
JAN 04, 1453	05:48 AM	180	00TA16	00SC16
JUL 06, 1454	08:26 PM	180	05TA55	05SC55
JUL 12, 1456	09:19 PM	180	28TA57	28SC57R

JUL 24, 1458	08:38 AM	180	21GE49	21SA49R
AUG 06, 1460	08:28 PM	180	14CA46	14CP46R
AUG 23, 1462	11:49 PM	180	08LE10	08AQ10R
SEP 11, 1464	11:09 AM	180	02VI24	02PI24R
OCT 02, 1466	06:36 PM	180	27VI50	27PI50R
OCT 24, 1468	00:18 AM	180	24LI41	24AR41R
NOV 14, 1470	11:54 PM	180	22SC53	22TA53R
DEC 04, 1472	01:48 PM	180	21SA59	21GE59R
DEC 23, 1474	01:03 AM	180	21CP15	21CA15R
JAN 07, 1477	06:17 AM	180	19AQ51	19LE51R
JAN 21, 1479	11:00 AM	180	17PI10	17VI10R
FEB 01, 1481	11:03 PM	180	12AR57	12LI57R
FEB 12, 1483	09:40 PM	180	07TA16	07SC16R
FEB 20, 1485	08:15 PM	180	00GE22	00SA22
AUG 15, 1486	03:21 AM	180	05GE19	05SA19
DEC 13, 1486	04:05 PM	180	16GE04R	16SA04
FEB 25, 1487	00:58 AM	180	22GE26	22SA26
AUG 20, 1488	09:52 AM	180	27GE41	27SA41R
SEP 02, 1490	00:55 AM	180	20CA30	20CP30R
SEP 17, 1492	09:58 AM	180	13LE57	13AQ57R
OCT 06, 1494	04:05 PM	180	08VI22	08PI22R
OCT 26, 1496	11:26 PM	180	04LI05	04AR05R
NOV 18, 1498	04:56 AM	180	01SC14	01TA14R
DEC 09, 1500	00:49 AM	180	29SC39	29TA39R
DEC 29, 1502	08:06 AM	180	28SA49	28GE49R
JAN 15, 1505	01:20 PM	180	27CP57	27CA57R
JAN 31, 1507	06:11 PM	180	26AQ22	26LE22R
FEB 14, 1509	09:19 AM	180	23PI31	23VI31R
FEB 28, 1511	00:01 AM	180	19AR12	19LI12R
MAR 12, 1513	02:54 AM	180	13TA32	13SC32R

MAR 25, 1515	04:31 AM	180	06GE50	06SA50R
APR 06, 1517	12:34 PM	180	29GE34	29SA34R
OCT 08, 1518	01:41 PM	180	05CA29	05CP29
NOV 13, 1518	03:59 AM	180	08CA26R	08CP26
APR 20, 1519	06:46 AM	180	22CA11	22CP11
OCT 05, 1520	03:22 AM	180	27CA09	27CP09
JAN 15, 1521	04:56 PM	180	05LE55R	05AQ55
MAY 02, 1521	11:42 PM	180	15LE06	15AQ06
OCT 18, 1522	00:25 AM	180	20LE25	20AQ25
MAR 09, 1523	11:33 AM	180	02VI59R	02PI59
MAY 13, 1523	09:17 PM	180	08VI33	08PI33
NOV 03, 1524	06:19 PM	180	14VI53	14PI53R
NOV 24, 1526	03:32 AM	180	10LI43	10AR43R
DEC 14, 1528	10:45 AM	180	07SC58	07TA58R
JAN 04, 1531	04:30 AM	180	06SA21	06GE21R
JAN 22, 1533	09:30 AM	180	05CP20	05CA20R
FEB 08, 1535	05:50 PM	180	04AQ12	04LE12R
FEB 23, 1537	09:13 AM	180	02PI17	02VI17R
MAR 09, 1539	07:03 PM	180	29PI08	29VI08R
MAR 22, 1541	03:01 PM	180	24AR39	24LI39R
APR 05, 1543	11:26 AM	180	18TA55	18SC55R
APR 18, 1545	08:02 PM	180	12GE18	12SA18R
MAY 04, 1547	03:55 AM	180	05CA15	05CP15R
MAY 19, 1549	05:20 PM	180	28CA14	28CP14R
JUN 06, 1551	11:40 AM	180	21LE43	21AQ43R
JUN 23, 1553	10:31 PM	180	16VI07	16PI07R
DEC 24, 1554	09:38 AM	180	23VI16	23PI16
JAN 27, 1555	10:30 AM	180	26VI16R	26PI16
JUL 11, 1555	06:42 PM	180	11LI42	11AR42
JAN 01, 1557	07:09 PM	180	18LI34	18AR34

MAR 30, 1557	04:16 AM	180	26LI56R	26AR56
JUL 24, 1557	03:55 PM	180	08SC21	08TA21
JAN 17, 1559	11:50 PM	180	15SC42	15TA42
FEB 02, 1561	10:55 PM	180	13SA57	13GE57R
FEB 19, 1563	07:08 AM	180	12CP38	12CA38R
MAR 05, 1565	03:00 PM	180	11AQ04	11LE04R
MAR 19, 1567	11:58 PM	180	08PI42	08VI42R
APR 01, 1569	05:00 PM	180	05AR11	05LI11R
APR 15, 1571	06:08 AM	180	00TA24	00SC24R
APR 28, 1573	04:32 AM	180	24TA30	24SC30R
MAY 12, 1575	11:49 PM	180	17GE51	17SA51R
MAY 28, 1577	01:11 AM	180	10CA53	10CP53R
JUN 14, 1579	02:38 PM	180	04LE04	04AQ04R
JUL 02, 1581	02:29 PM	180	27LE52	27AQ52R
AUG 01, 1583	02:00 PM	180	22VI41	22PI41R
AUG 20, 1585	04:24 PM	180	18LI48	18AR48R
SEP 08, 1587	10:53 AM	180	16SC12	16TA12R
SEP 22, 1589	10:31 AM	180	14SA24	14GE24
APR 04, 1591	07:05 PM	180	23SA16	23GE16
JUN 07, 1591	00:17 AM	180	29SA59R	29GE59
SEP 26, 1591	00:01 AM	180	12CP05	12CA05
APR 02, 1593	11:25 PM	180	20CP12	20CA12
APR 12, 1595	03:04 PM	180	17AQ49	17LE49R
APR 23, 1597	05:36 AM	180	14PI49	14VI49R
MAY 05, 1599	11:40 AM	180	10AR48	10LI48R
MAY 17, 1601	06:50 AM	180	05TA41	05SC41R
MAY 30, 1603	10:07 PM	180	29TA37	29SC37R
JUN 13, 1605	06:38 PM	180	22GE57	22SA57R
JUN 30, 1607	04:44 AM	180	16CA05	16CP05R
JUL 17, 1609	07:39 AM	180	09LE28	09AQ28R



AUG 06, 1611	00:39 AM	180	03VI35	03PI35R
AUG 25, 1613	09:09 PM	180	28VI49	28PI49R
SEP 16, 1615	01:19 AM	180	25LI26	25AR26R
OCT 05, 1617	08:48 AM	180	23SC22	23TA22R
OCT 23, 1619	10:21 AM	180	22SA10	22GE10R
NOV 05, 1621	01:19 PM	180	20CP56	20CA56R
NOV 11, 1623	06:58 PM	180	18AQ31	18LE31
MAY 19, 1625	06:58 AM	180	25AQ57	25LE57
MAY 22, 1627	05:44 AM	180	21PI47	21VI47R
MAY 30, 1629	07:58 AM	180	17AR05	17LI05R
JUN 10, 1631	02:59 PM	180	11TA31	11SC31R
JUN 22, 1633	11:48 AM	180	05GE11	05SA11R
JUL 07, 1635	00:44 AM	180	28GE24	28SA24R
JUL 22, 1637	10:43 AM	180	21CA34	21CP34R
AUG 09, 1639	07:14 PM	180	15LE06	15AQ06R
AUG 28, 1641	09:25 PM	180	09VI27	09PI27R
SEP 19, 1643	04:31 AM	180	04LI59	04AR59R
OCT 09, 1645	08:57 PM	180	01SC54	01TA54R
OCT 30, 1647	07:15 PM	180	00SA07	00GE07R
NOV 17, 1649	08:49 PM	180	29SA08	29GE08R
DEC 04, 1651	05:56 AM	180	28CP07	28CA07R
DEC 16, 1653	05:18 AM	180	26AQ12	26LE12R
DEC 24, 1655	02:12 AM	180	22PI41	22VI41
JUL 01, 1657	04:46 AM	180	29PI30	29VI30
OCT 22, 1657	07:26 AM	180	11AR05R	11LI05
DEC 13, 1657	08:51 AM	180	16AR17	16LI17
JUN 28, 1659	07:45 AM	180	23AR23	23LI23
JUL 05, 1661	04:04 AM	180	17TA12	17SC12R
JUL 16, 1663	12:40 PM	180	10GE32	10SA32R
JUL 29, 1665	08:58 AM	180	03CA38	03CP38R

AUG 14, 1667	01:41 PM	180	26CA50	26CP50R
SEP 01, 1669	00:03 AM	180	20LE32	20AQ32R
SEP 21, 1671	08:37 AM	180	15VI09	15PI09R
OCT 12, 1673	00:53 AM	180	11LI01	11AR01R
NOV 03, 1675	02:20 AM	180	08SC18	08TA18R
NOV 23, 1677	09:40 AM	180	06SA48	06GE48R
DEC 12, 1679	10:31 PM	180	06CP00	06CA00R
DEC 29, 1681	03:54 AM	180	05AQ04	05LE04R
JAN 13, 1684	00:01 AM	180	03PI11	03VI11R
JAN 24, 1686	12:44 PM	180	29PI54	29VI54R
FEB 03, 1688	10:27 AM	180	25AR03	25LI03R
AUG 19, 1689	04:59 PM	180	02TA09	02SC09
SEP 30, 1689	05:45 AM	180	06TA01R	06SC01
FEB 07, 1690	06:59 PM	180	18TA35	18SC35
AUG 05, 1691	01:07 PM	180	23TA50	23SC50
AUG 11, 1693	05:49 PM	180	16GE38	16SA38R
AUG 23, 1695	10:28 PM	180	09CA30	09CP30R
SEP 07, 1697	10:09 AM	180	02LE40	02AQ40R
SEP 25, 1699	02:51 PM	180	26LE29	26AQ29R
OCT 15, 1701	11:29 PM	180	21VI17	21PI17R
NOV 06, 1703	04:37 PM	180	17LI23	17AR23R
NOV 27, 1705	05:18 PM	180	14SC50	14TA50R
DEC 18, 1707	09:08 PM	180	13SA26	13GE26R
JAN 06, 1710	06:27 AM	180	12CP35	12CA35R
JAN 23, 1712	01:14 PM	180	11AQ30	11LE30R
FEB 06, 1714	09:44 PM	180	09PI28	09VI28R
FEB 20, 1716	06:06 PM	180	06AR05	06LI05R
MAR 04, 1718	12:32 PM	180	01TA15	01SC15R
MAR 15, 1720	01:04 PM	180	25TA09	25SC09R
MAR 26, 1722	09:10 PM	180	18GE09	18SA09

SEP 18, 1723	02:37 AM	180	23GE13	23SA13
DEC 17, 1723	04:25 PM	180	01CA04R	01CP04
APR 04, 1724	11:37 PM	180	10CA36	10CP36
SEP 22, 1725	03:00 PM	180	15CA31	15CP31
FEB 19, 1726	02:37 AM	180	28CA31R	28CP31
APR 10, 1726	06:21 AM	180	02LE41	02AQ41
OCT 05, 1727	09:35 PM	180	08LE34	08AQ34R
OCT 22, 1729	04:37 AM	180	02VI28	02PI28R
NOV 11, 1731	04:13 AM	180	27VI30	27PI30R
DEC 01, 1733	04:21 PM	180	23LI51	23AR51R
DEC 23, 1735	09:21 AM	180	21SC33	21TA33R
JAN 12, 1738	02:03 AM	180	20SA15	20GE15R
JAN 30, 1740	11:54 PM	180	19CP20	19CA20R
FEB 15, 1742	10:26 PM	180	18AQ03	18LE03R
MAR 02, 1744	05:04 AM	180	15PI48	15VI48R
MAR 16, 1746	10:27 AM	180	12AR14	12LI14R
MAR 29, 1748	04:47 AM	180	07TA20	07SC20R
APR 12, 1750	00:31 AM	180	01GE18	01SA18R
APR 25, 1752	08:04 AM	180	24GE29	24SA29R
MAY 10, 1754	11:21 AM	180	17CA22	17CP22R
MAY 25, 1756	01:01 PM	180	10LE25	10AQ25R
NOV 15, 1757	10:37 PM	180	16LE06	16AQ06
JAN 15, 1758	02:57 AM	180	21LE09R	21AQ09
JUN 11, 1758	04:17 AM	180	04VI03	04PI03
NOV 26, 1759	02:00 PM	180	09VI40	09PI40
MAR 06, 1760	11:17 PM	180	18VI39R	18PI39
JUN 25, 1760	08:07 PM	180	28VI33	28PI33
DEC 12, 1761	09:59 PM	180	04LI44	04AR44
MAY 03, 1762	11:47 PM	180	18LI06R	18AR06
JUL 04, 1762	08:05 AM	180	23LI42	23AR42

JAN 01, 1764	01:05 PM	180	01SC11	01TA11R
JAN 20, 1766	09:51 AM	180	28SC53	28TA53R
FEB 08, 1768	06:10 AM	180	27SA24	27GE24R
FEB 24, 1770	01:50 PM	180	26CP09	26CA09R
MAR 11, 1772	09:08 AM	180	24AQ27	24LE27R
MAR 25, 1774	11:37 PM	180	21PI47	21VI47R
APR 07, 1776	09:51 PM	180	17AR54	17LI54R
APR 21, 1778	07:16 PM	180	12TA47	12SC47R
MAY 05, 1780	04:47 AM	180	06GE41	06SA41R
MAY 20, 1782	12:38 PM	180	29GE58	29SA58R
JUN 05, 1784	02:31 AM	180	23CA03	23CP03R
JUN 23, 1786	01:37 AM	180	16LE27	16AQ27R
JUL 11, 1788	03:28 AM	180	10VI35	10PI35R
JUL 30, 1790	02:17 PM	180	05LI47	05AR47R
AUG 17, 1792	00:06 AM	180	02SC11	02TA11R
AUG 31, 1794	12:40 PM	180	29SC34	29TA34
FEB 28, 1796	08:20 PM	180	07SA13	07GE13
JUN 29, 1796	08:29 PM	180	20SA08R	20GE08
AUG 27, 1796	11:33 PM	180	26SA18	26GE18
MAR 11, 1798	10:33 AM	180	05CP10	05CA10
MAR 24, 1800	06:49 PM	180	03AQ26	03LE26R
APR 07, 1802	06:32 AM	180	01PI13	01VI13R
APR 19, 1804	12:52 PM	180	28PI06	28VI06R
MAY 02, 1806	06:41 PM	180	23AR52	23LI52R
MAY 15, 1808	09:57 AM	180	18TA32	18SC32R
MAY 29, 1810	10:03 PM	180	12GE20	12SA20R
JUN 13, 1812	03:38 PM	180	05CA38	05CP38R
JUN 30, 1814	09:17 PM	180	28CA53	28CP53R
JUL 18, 1816	04:33 PM	180	22LE32	22AQ32R
AUG 07, 1818	06:41 PM	180	17VI02	17PI02R

AUG 27, 1820	11:07 AM	180	12LI42	12AR42R
SEP 16, 1822	03:46 PM	180	09SC38	09TA38R
OCT 03, 1824	11:29 PM	180	07SA40	07GE40R
OCT 18, 1826	07:50 AM	180	06CP08	06CA08
OCT 21, 1828	08:22 PM	180	03AQ45	03LE45
APR 29, 1830	07:35 AM	180	11AQ29	11LE29
MAY 04, 1832	08:17 PM	180	08PI14	08VI14R
MAY 15, 1834	03:23 AM	180	04AR24	04LI24R
MAY 25, 1836	08:27 PM	180	29AR38	29LI38R
JUN 07, 1838	04:53 PM	180	23TA58	23SC58R
JUN 20, 1840	08:59 PM	180	17GE37	17SA37R
JUL 06, 1842	03:03 PM	180	10CA54	10CP54R
JUL 23, 1844	03:37 AM	180	04LE16	04AQ16R
AUG 11, 1846	10:33 AM	180	28LE10	28AQ10R
AUG 31, 1848	03:22 AM	180	22VI59	22PI59R
SEP 21, 1850	01:09 PM	180	19LI03	19AR03R
OCT 11, 1852	03:55 PM	180	16SC26	16TA26R
OCT 31, 1854	07:40 AM	180	14SA55	14GE55R
NOV 16, 1856	09:57 AM	180	13CP50	13CA50R
NOV 29, 1858	05:09 PM	180	12AQ18	12LE18R
DEC 05, 1860	08:12 AM	180	09PI20	09VI20
JUN 12, 1862	06:11 PM	180	16PI24	16VI24
JUN 12, 1864	07:57 AM	180	11AR19	11LI19R
JUN 20, 1866	08:43 PM	180	05TA55	05SC55R
JUL 01, 1868	06:16 AM	180	29TA52	29SC52R
JUL 14, 1870	05:55 PM	180	23GE18	23SA18R
JUL 29, 1872	06:22 AM	180	16CA34	16CP34R
AUG 15, 1874	09:01 PM	180	10LE04	10AQ04R
SEP 03, 1876	11:01 AM	180	04VI12	04PI12R
SEP 24, 1878	01:33 PM	180	29VI20	29PI20R

OCT 15, 1880	09:33 AM	180	25LI44	25AR44R
NOV 05, 1882	10:03 PM	180	23SC26	23TA26R
NOV 25, 1884	01:58 AM	180	22SA08	22GE08R
DEC 13, 1886	01:19 AM	180	21CP10	21CA10R
DEC 27, 1888	09:46 AM	180	19AQ42	19LE42R
JAN 08, 1891	08:13 PM	180	17PI03	17VI03R
JAN 16, 1893	09:46 AM	180	12AR47	12LI47
JUL 26, 1894	07:13 AM	180	19AR25	19LI25
OCT 19, 1894	10:26 PM	180	27AR51R	27LI51
JAN 15, 1895	03:10 PM	180	06TA28	06SC28
JUL 19, 1896	05:48 PM	180	12TA27	12SC27
JUL 27, 1898	12:20 PM	180	05GE47	05SA47R
AUG 08, 1900	10:39 AM	180	28GE56	28SA56R
AUG 23, 1902	06:06 AM	180	22CA06	22CP06R
SEP 08, 1904	03:22 PM	180	15LE39	15AQ39R
SEP 28, 1906	06:34 AM	180	09VI57	09PI57R
OCT 18, 1908	01:42 PM	180	05LI21	05AR21R
NOV 09, 1910	03:07 PM	180	02SC03	02TA03R
NOV 30, 1912	08:45 AM	180	00SA02	00GE02R
DEC 20, 1914	05:09 PM	180	28SA55	28GE55R
JAN 07, 1917	00:18 AM	180	28CP01	28CA01R
JAN 23, 1919	02:56 AM	180	26AQ34	26LE34R
FEB 05, 1921	06:21 AM	180	23PI55	23VI55R
FEB 17, 1923	05:39 PM	180	19AR48	19LI48R
FEB 27, 1925	03:18 PM	180	14TA17	14SC17R
MAR 08, 1927	09:15 AM	180	07GE35	07SA35
AUG 29, 1928	07:26 PM	180	12GE38	12SA38
JAN 05, 1929	11:13 AM	180	24GE13R	24SA13
MAR 10, 1929	07:54 AM	180	29GE46	29SA46
SEP 05, 1930	11:03 PM	180	05CA16	05CP16R

SEP 18, 1932	00:29 AM	180	28CA18	28CP18R
OCT 04, 1934	05:14 PM	180	21LE54	21AQ54R
OCT 23, 1936	03:59 AM	180	16VI25	16PI25R
NOV 13, 1938	10:51 AM	180	12LI05	12AR05R
DEC 04, 1940	10:17 AM	180	09SC03	09TA03R
DEC 25, 1942	09:43 PM	180	07SA10	07GE10R
JAN 13, 1945	09:18 PM	180	06CP02	06CA02R
JAN 31, 1947	08:44 PM	180	04AQ59	04LE59R
FEB 15, 1949	09:16 PM	180	03PI16	03VI16R
MAR 02, 1951	09:43 AM	180	00AR23	00LI23R
MAR 14, 1953	11:34 PM	180	26AR07	26LI07R
MAR 28, 1955	03:07 AM	180	20TA35	20SC35R
APR 09, 1957	07:30 AM	180	14GE05	14SA05R
APR 22, 1959	07:55 PM	180	07CA02	07CP02R
OCT 20, 1960	08:38 AM	180	12CA47	12CP47
DEC 07, 1960	01:31 AM	180	16CA46R	16CP46
MAY 05, 1961	05:52 PM	180	29CA51	29CP51
OCT 21, 1962	10:41 AM	180	04LE53	04AQ53
FEB 06, 1963	10:20 AM	180	14LE11R	14AQ11
MAY 19, 1963	11:40 AM	180	22LE56	22AQ56
NOV 03, 1964	00:32 AM	180	28LE21	28AQ21
MAR 30, 1965	11:26 AM	180	11VI24R	11PI24
MAY 28, 1965	08:49 PM	180	16VI28	16PI28
NOV 21, 1966	03:24 AM	180	22VI56	22PI56R
DEC 10, 1968	03:06 PM	180	18LI48	18AR48R
DEC 31, 1970	08:06 PM	180	15SC57	15TA57R
JAN 20, 1973	09:35 AM	180	14SA10	14GE10R
FEB 08, 1975	10:12 AM	180	12CP59	12CA59R
FEB 24, 1977	02:49 PM	180	11AQ42	11LE42R
MAR 12, 1979	04:10 AM	180	09PI43	09VI43R

MAR 25, 1981	01:41 PM	180	06AR34	06LI34R
APR 08, 1983	10:50 AM	180	02TA08	02SC08R
APR 21, 1985	10:51 AM	180	26TA34	26SC34R
MAY 06, 1987	01:40 AM	180	20GE09	20SA09R
MAY 20, 1989	05:04 PM	180	13CA19	13CP19R
JUN 06, 1991	01:55 PM	180	06LE31	06AQ31R
JUN 23, 1993	03:14 PM	180	00VI11	00PI11R
JUL 12, 1995	07:20 AM	180	24VI43	24PI43R
JAN 09, 1997	10:51 AM	180	01LI49	01AR49
FEB 16, 1997	05:17 PM	180	05LI12R	05AR12
JUL 29, 1997	03:24 AM	180	20LI21	20AR21
JAN 19, 1999	07:37 PM	180	27LI11	27AR11
APR 20, 1999	01:45 AM	180	05SC49R	05TA49
AUG 11, 1999	12:28 PM	180	16SC53	16TA53

## 3RD MILLENNIUM CE

This is a list of oppositions between Mars and Saturn in the 3rd millennium CE.

DATE	GMT	ARC	MARS	SATURN
FEB 03, 2001	09:33 PM	180	24SC09	24TA09
FEB 20, 2003	02:13 PM	180	22SA08	22GE08R
MAR 07, 2005	04:15 PM	180	20CP35	20CA35R
MAR 22, 2007	07:34 PM	180	18AQ51	18LE51R
APR 05, 2009	00:55 AM	180	16PI21	16VI21R
APR 18, 2011	04:02 PM	180	12AR46	12LI46R



MAY 01, 2013	05:11 AM	180	08TA00	08SC00R
MAY 15, 2015	06:03 AM	180	02GE13	02SA13R
MAY 29, 2017	06:55 AM	180	25GE44	25SA44R
JUN 14, 2019	03:50 PM	180	18CA58	18CP58R
JUL 01, 2021	01:08 PM	180	12LE21	12AQ21R
JUL 20, 2023	08:39 PM	180	06VI21	06PI21R
AUG 09, 2025	02:52 AM	180	01LI20	01AR20R
AUG 29, 2027	07:35 AM	180	27LI33	27AR33R
SEP 15, 2029	10:05 PM	180	24SC56	24TA56R
SEP 30, 2031	11:55 AM	180	23SA00	23GE00
APR 10, 2033	05:46 AM	180	01CP38	01CA38
JUN 19, 2033	05:14 PM	180	09CP07R	09CA07
OCT 01, 2033	09:13 PM	180	20CP25	20CA25
APR 10, 2035	01:26 PM	180	28CP32	28CA32
APR 19, 2037	06:28 AM	180	26AQ03	26LE03R
APR 30, 2039	09:13 PM	180	22PI58	22VI58R
MAY 12, 2041	03:03 AM	180	18AR54	18LI54R
MAY 24, 2043	11:15 PM	180	13TA49	13SC49R
JUN 06, 2045	06:39 PM	180	07GE53	07SA53R
JUN 21, 2047	09:59 PM	180	01CA23	01CP23R
JUL 07, 2049	04:05 PM	180	24CA43	24CP43R
JUL 26, 2051	03:34 AM	180	18LE19	18AQ19R
AUG 14, 2053	05:11 AM	180	12VI39	12PI39R
SEP 04, 2055	08:08 AM	180	08LI04	08AR04R
SEP 24, 2057	01:51 PM	180	04SC46	04TA46R
OCT 14, 2059	04:22 PM	180	02SA40	02GE40R
OCT 31, 2061	08:44 AM	180	01CP16	01CA16R
NOV 14, 2063	01:14 AM	180	29CP48	29CA48R
NOV 18, 2065	01:44 PM	180	27AQ09	27LE09
MAY 26, 2067	07:13 PM	180	04PI28	04VI28

MAY 29, 2069	00:21 AM	180	00AR10	00LI10R
JUN 07, 2071	02:28 AM	180	25AR21	25LI21R
JUN 17, 2073	09:30 AM	180	19TA45	19SC45R
JUN 30, 2075	09:25 AM	180	13GE29	13SA29R
JUL 14, 2077	04:40 AM	180	06CA51	06CP51R
JUL 30, 2079	10:14 PM	180	00LE11	00AQ11R
AUG 17, 2081	02:48 PM	180	23LE56	23AQ56R
SEP 07, 2083	01:27 AM	180	18VI30	18PI30R
SEP 27, 2085	03:27 PM	180	14LI14	14AR14R
OCT 19, 2087	09:47 AM	180	11SC16	11TA16R
NOV 08, 2089	05:01 AM	180	09SA30	09GE30R
NOV 27, 2091	00:44 AM	180	08CP24	08CA24R
DEC 12, 2093	03:04 AM	180	07AQ13	07LE13R
DEC 24, 2095	07:00 PM	180	05PI08	05VI08R
DEC 31, 2097	05:56 AM	180	01AR28	01LI28
JUL 08, 2099	05:22 PM	180	08AR11	08LI11
NOV 05, 2099	04:37 PM	180	20AR27R	20LI27
DEC 19, 2099	00:51 AM	180	24AR45	24LI45
JUL 06, 2101	12:24 PM	180	02TA04	02SC04
JUL 14, 2103	12:15 PM	180	25TA53	25SC53R
JUL 25, 2105	02:03 AM	180	19GE20	19SA20R
AUG 08, 2107	05:49 AM	180	12CA34	12CP34R
AUG 23, 2109	06:53 PM	180	05LE57	05AQ57R
SEP 11, 2111	02:24 PM	180	29LE52	29AQ52R
OCT 01, 2113	08:15 AM	180	24VI43	24PI43R
OCT 23, 2115	07:16 AM	180	20LI48	20AR48R
NOV 13, 2117	09:58 AM	180	18SC12	18TA12R
DEC 04, 2119	12:15 PM	180	16SA41	16GE41R
DEC 22, 2121	05:18 PM	180	15CP44	15CA44R
JAN 08, 2124	02:47 PM	180	14AQ36	14LE36R

JAN 22, 2126	03:33 AM	180	12PI31	12VI31R
FEB 03, 2128	08:49 AM	180	09AR01	09LI01R
FEB 11, 2130	11:07 PM	180	03TA56	03SC56R
AUG 26, 2131	01:24 PM	180	10TA44	10SC44
OCT 14, 2131	08:29 PM	180	15TA20R	15SC20
FEB 16, 2132	09:44 PM	180	27TA19	27SC19
AUG 13, 2133	05:40 PM	180	02GE35	02SA35
AUG 21, 2135	05:52 AM	180	25GE25	25SA25R
SEP 01, 2137	05:38 PM	180	18CA24	18CP24R
SEP 17, 2139	12:47 PM	180	11LE43	11AQ43R
OCT 05, 2141	01:39 AM	180	05VI43	05PI43R
OCT 25, 2143	07:04 PM	180	00LI45	00AR45R
NOV 15, 2145	06:49 PM	180	27LI03	27AR03R
DEC 07, 2147	09:14 PM	180	24SC39	24TA39R
DEC 27, 2149	10:17 PM	180	23SA16	23GE16R
JAN 16, 2152	02:33 AM	180	22CP20	22CA20R
FEB 01, 2154	03:40 AM	180	21AQ07	21LE07R
FEB 16, 2156	06:35 AM	180	18PI57	18VI57R
FEB 28, 2158	10:51 PM	180	15AR24	15LI24R
MAR 12, 2160	02:44 PM	180	10TA26	10SC26R
MAR 24, 2162	02:29 PM	180	04GE17	04SA17R
APR 04, 2164	00:58 AM	180	27GE18	27SA18
SEP 25, 2165	11:18 PM	180	02CA23	02CP23
DEC 26, 2165	02:17 PM	180	10CA21R	10CP21
APR 14, 2166	10:49 AM	180	19CA51	19CP51
OCT 02, 2167	00:42 AM	180	24CA49	24CP49
FEB 27, 2168	11:25 PM	180	07LE49R	07AQ49
APR 19, 2168	12:03 PM	180	12LE06	12AQ06
OCT 14, 2169	04:50 PM	180	18LE02	18AQ02R
NOV 01, 2171	10:29 AM	180	12VI10	12PI10R

NOV 20, 2173	08:17 PM	180	07LI27	07AR27R
DEC 12, 2175	02:34 PM	180	04SC03	04TA03R
JAN 02, 2178	07:14 AM	180	01SA51	01GE51R
JAN 22, 2180	05:35 PM	180	00CP31	00CA31R
FEB 09, 2182	07:04 AM	180	29CP27	29CA27R
FEB 25, 2184	09:47 PM	180	27AQ59	27LE59R
MAR 11, 2186	09:53 PM	180	25PI31	25VI31R
MAR 24, 2188	09:20 PM	180	21AR44	21LI44R
APR 07, 2190	11:06 AM	180	16TA37	16SC37R
APR 20, 2192	04:03 AM	180	10GE27	10SA27R
MAY 04, 2194	11:39 AM	180	03CA36	03CP36R
MAY 18, 2196	06:32 PM	180	26CA32	26CP32R
JUN 04, 2198	02:25 AM	180	19LE41	19AQ41R
NOV 25, 2199	05:06 PM	180	25LE27	25AQ27
JAN 24, 2200	00:42 AM	180	00VI27R	00PI27
JUN 21, 2200	01:10 AM	180	13VI28	13PI28
DEC 06, 2201	04:48 PM	180	19VI11	19PI11
MAR 16, 2202	03:12 PM	180	28VI04R	28PI04
JUL 07, 2202	02:15 AM	180	08LI11	08AR11
DEC 24, 2203	08:41 AM	180	14LI27	14AR27
MAY 12, 2204	06:54 AM	180	27LI41R	27AR41
JUL 15, 2204	05:51 AM	180	03SC35	03TA35
JAN 12, 2206	03:16 AM	180	11SC05	11TA05R
JAN 31, 2208	10:20 PM	180	08SA53	08GE53R
FEB 18, 2210	02:03 PM	180	07CP26	07CA26R
MAR 06, 2212	04:19 PM	180	06AQ07	06LE07R
MAR 22, 2214	06:13 AM	180	04PI18	04VI18R
APR 04, 2216	04:25 PM	180	01AR31	01LI31R
APR 18, 2218	11:58 AM	180	27AR29	27LI29R
MAY 01, 2220	07:08 AM	180	22TA14	22SC14R

MAY 15, 2222	04:00 PM	180	16GE03	16SA03R
MAY 30, 2224	02:09 AM	180	09CA19	09CP19R
JUN 15, 2226	08:48 PM	180	02LE29	02AQ29R
JUL 03, 2228	01:46 AM	180	26LE00	26AQ00R
JUL 22, 2230	10:39 AM	180	20VI18	20PI18R
AUG 10, 2232	05:04 AM	180	15LI44	15AR44R
AUG 28, 2234	08:31 PM	180	12SC24	12TA24R
SEP 11, 2236	10:21 AM	180	09SA56	09GE56
MAR 12, 2238	11:22 AM	180	17SA41	17GE41
JUL 10, 2238	03:20 AM	180	00CP22R	00CA22
SEP 08, 2238	05:32 PM	180	06CP42	06CA42
MAR 22, 2240	07:47 AM	180	15CP32	15CA32
APR 04, 2242	05:36 AM	180	13AQ39	13LE39R
APR 16, 2244	09:57 AM	180	11PI17	11VI17R
APR 29, 2246	10:35 AM	180	07AR58	07LI58R
MAY 11, 2248	11:25 AM	180	03TA31	03SC31R
MAY 24, 2250	10:23 PM	180	27TA59	27SC59R
JUN 07, 2252	07:24 AM	180	21GE39	21SA39R
JUN 23, 2254	00:43 AM	180	14CA53	14CP53R
JUL 09, 2256	08:41 AM	180	08LE09	08AQ09R
JUL 28, 2258	07:17 AM	180	01VI52	01PI52R
AUG 16, 2260	01:27 PM	180	26VI28	26PI28R
SEP 06, 2262	11:04 AM	180	22LI18	22AR18R
SEP 25, 2264	07:38 PM	180	19SC26	19TA26R
OCT 14, 2266	03:00 AM	180	17SA36	17GE36R
OCT 27, 2268	07:17 AM	180	16CP05	16CA05
OCT 31, 2270	11:01 AM	180	13AQ39	13LE39
MAY 08, 2272	04:01 AM	180	21AQ21	21LE21
MAY 14, 2274	01:41 PM	180	18PI02	18VI02R
MAY 23, 2276	06:59 PM	180	14AR06	14LI06R

JUN 04, 2278	10:29 AM	180	09TA12	09SC12R
JUN 16, 2280	04:58 AM	180	03GE24	03SA24R
JUN 30, 2282	08:26 AM	180	26GE58	26SA58R
JUL 15, 2284	04:14 AM	180	20CA15	20CP15R
AUG 01, 2286	08:07 PM	180	13LE40	13AQ40R
AUG 20, 2288	07:03 AM	180	07VI39	07PI39R
SEP 10, 2290	04:44 AM	180	02LI37	02AR37R
SEP 30, 2292	07:46 PM	180	28LI52	28AR52R
OCT 22, 2294	01:55 AM	180	26SC28	26TA28R
NOV 09, 2296	05:14 PM	180	25SA03	25GE03R
NOV 26, 2298	03:33 PM	180	23CP58	23CA58R
DEC 09, 2300	06:27 PM	180	22AQ20	22LE20R
DEC 16, 2302	05:05 AM	180	19PI16	19VI16
JUN 22, 2304	07:43 AM	180	26PI16	26VI16
JUN 22, 2306	11:22 PM	180	21AR03	21LI03R
JUN 30, 2308	09:45 AM	180	15TA28	15SC28R
JUL 11, 2310	03:41 PM	180	09GE15	09SA15R
JUL 24, 2312	00:38 AM	180	02CA33	02CP33R
AUG 08, 2314	12:18 PM	180	25CA44	25CP44R
AUG 25, 2316	03:17 AM	180	19LE11	19AQ11R
SEP 13, 2318	05:56 PM	180	13VI19	13PI19R
OCT 03, 2320	10:02 PM	180	08LI30	08AR30R
OCT 25, 2322	08:53 PM	180	05SC01	05TA01R
NOV 15, 2324	11:28 AM	180	02SA51	02GE51R
DEC 05, 2326	03:10 PM	180	01CP39	01CA39R
DEC 22, 2328	01:05 PM	180	00AQ44	00LE44R
JAN 06, 2331	08:09 PM	180	29AQ15	29LE15R
JAN 18, 2333	05:09 AM	180	26PI34	26VI34R
JAN 26, 2335	03:59 PM	180	22AR14	22LI14
AUG 03, 2336	09:03 PM	180	28AR47	28LI47

OCT 31, 2336	10:44 AM	180	07TA29R	07SC29
JAN 24, 2337	02:37 PM	180	15TA48	15SC48
JUL 29, 2338	09:55 PM	180	21TA46	21SC46
AUG 05, 2340	04:17 PM	180	15GE01	15SA01R
AUG 17, 2342	02:23 PM	180	08CA06	08CP06R
AUG 31, 2344	11:05 AM	180	01LE14	01AQ14R
SEP 17, 2346	09:43 PM	180	24LE47	24AQ47R
OCT 06, 2348	02:59 PM	180	19VI08	19PI08R
OCT 28, 2350	01:33 AM	180	14LI38	14AR38R
NOV 18, 2352	06:48 AM	180	11SC28	11TA28R
DEC 10, 2354	02:43 AM	180	09SA35	09GE35R
DEC 29, 2356	10:38 AM	180	08CP33	08CA33R
JAN 16, 2359	03:25 PM	180	07AQ39	07LE39R
JAN 31, 2361	03:51 PM	180	06PI09	06VI09R
FEB 14, 2363	05:44 PM	180	03AR27	03LI27R
FEB 26, 2365	03:21 AM	180	29AR16	29LI16R
MAR 08, 2367	09:51 PM	180	23TA37	23SC37R
MAR 16, 2369	11:06 AM	180	16GE45	16SA45
SEP 07, 2370	01:06 PM	180	21GE42	21SA42
JAN 15, 2371	08:08 PM	180	03CA23R	03CP23
MAR 18, 2371	10:37 PM	180	08CA45	08CP45
SEP 13, 2372	05:59 PM	180	14CA14	14CP14R
SEP 26, 2374	07:15 PM	180	07LE10	07AQ10R
OCT 12, 2376	10:48 AM	180	00VI42	00PI42R
OCT 31, 2378	07:41 PM	180	25VI09	25PI09R
NOV 21, 2380	01:59 AM	180	20LI48	20AR48R
DEC 13, 2382	02:20 AM	180	17SC48	17TA48R
JAN 02, 2385	02:23 PM	180	16SA00	16GE00R
JAN 22, 2387	01:56 PM	180	14CP55	14CA55R
FEB 08, 2389	01:42 PM	180	13AQ54	13LE54R

FEB 24, 2391	02:59 PM	180	12PI13	12VI13R
MAR 10, 2393	04:02 AM	180	09AR21	09LI21R
MAR 23, 2395	06:36 PM	180	05TA06	05SC06R
APR 04, 2397	10:38 PM	180	29TA32	29SC32R
APR 18, 2399	01:53 AM	180	22GE58	22SA58R